

AMENDMENTS TO THE CLAIMS:

The following listing of claims will replace all prior versions and listings of claims in the application. Please add new claims 4-17, as follows:

1. (Original) A power management system for a machine, comprising:
a power source configured to receive a fuel supply;
a transmission being driveably engaged with the power source; and
a control system in communication with the power source and the transmission,
the control system being configured to determine a fuel supply limit associated with a
desired speed of the power source, the fuel supply limit being determined from a fuel
curve associated with the machine,
wherein the control system is operative to modify at least a portion of the fuel
curve based on a load condition of the power source.

2. (Original) A power management system for a machine, comprising:
a power source configured to receive a fuel supply;
a transmission being driveably engaged with the power source; and
a control system in communication with the power source and the transmission,
the control system being configured to modify a fuel supply limit, the fuel supply limit
being regulated based on rack position and a load condition of the power source.

3. (Original) A method for operating a power management system, comprising:
driving a transmission with a power source; and
modifying a fuel supply limit of fuel being supplied to the power source based on
rack position and a load condition of the power source.

4. (New) The system of claim 1, further including a drive train operably coupled
to the transmission.

5. (New) The system of claim 4, wherein the drive train is configured to drive
tracks of an earth-working machine.

6. (New) The system of claim 1, wherein the control system is configured to
sense power source load and transmission operating gear, and wherein the control
system is configured to determine whether the transmission operating gear is within a
predetermined slip-limited range of the transmission.

7. (New) The system of claim 6, wherein the control system is configured to
compare the sensed power source load with a predetermined power source overload
parameter and modify the fuel supply limit if the sensed power source load exceeds the
predetermined power source overload parameter.

8. (New) The system of claim 1, wherein the control system is configured to modify the fuel curve based on the load condition of the power source and at least one of power source speed and transmission operating gear.

9. (New) The system of claim 2, further including a drive train operably coupled to the transmission.

10. (New) The system of claim 9, wherein the drive train is configured to drive tracks of an earth-working machine.

11. (New) The system of claim 2, wherein the control system is configured to sense power source load and transmission operating gear, and wherein the controller is configured to determine whether the transmission operating gear is within a predetermined slip-limited range of the transmission.

12. (New) The system of claim 11, wherein the control system is configured to compare the sensed power source load with a predetermined power source overload parameter and modify the fuel supply limit if the sensed power source load exceeds the predetermined power source overload parameter.

13. (New) The system of claim 2, further including an emissions sensor configured to sense an amount of emissions leaving the power source, and wherein the control system is configured to modify the fuel curve based on the sensed amount of emissions.

14. (New) The method of claim 3, further including determining whether a transmission operating gear of the transmission is within a predetermined slip-limited range of the transmission, and comparing the load condition of the power source with a predetermined power source overload parameter.

15. (New) The method of claim 3, wherein modifying the fuel supply limit includes determining a modification factor for modifying the fuel supply limit.

16. (New) The method of claim 3, further including determining the fuel supply limit based on a machine fuel limit curve if a transmission operating gear is outside a predetermined slip-limited range of the transmission.

17. (New) The method of claim 3, further including sensing an amount of emissions leaving the power source and modifying the fuel supply limit based on the sensed amount of emissions.